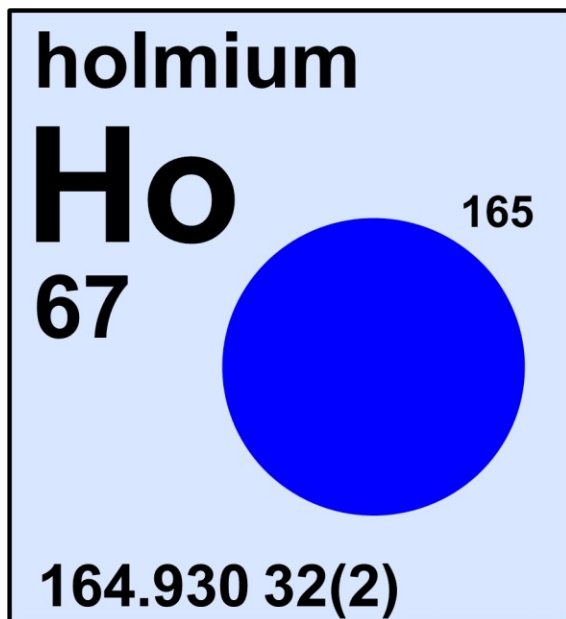


holmium

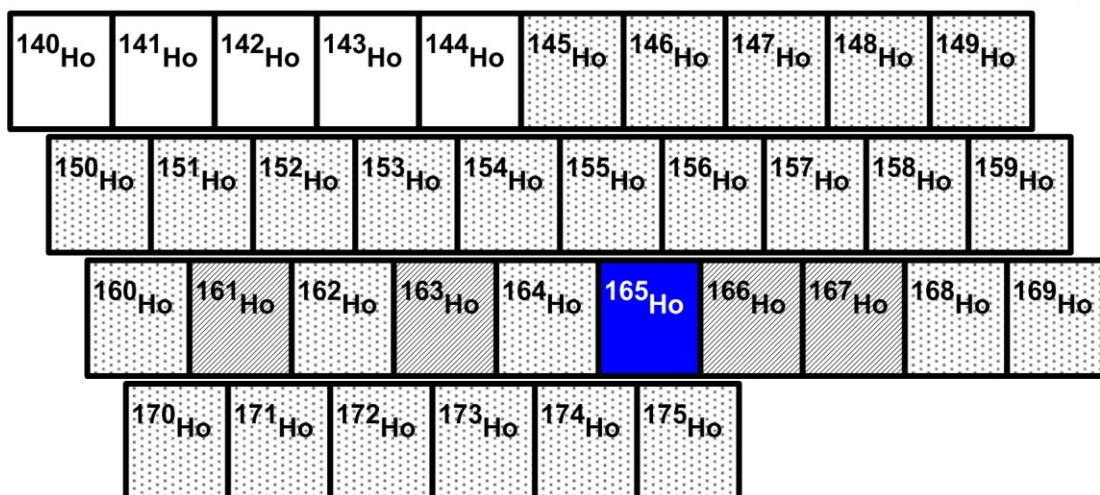


Stable isotope	Atomic mass*	Mole fraction
^{165}Ho	164.930 3221	1.0000

* Atomic mass given in unified atomic mass units, u.

Half-life of radioactive isotope

Less than 1 second
 Between 1 second and 1 hour
 Greater than 1 hour



Important applications of stable and/or radioactive isotopes

Isotopes in medicine

- ^{166}Ho has been used for treatment of arthritis and for radio-immunotherapy with labeled antibodies.

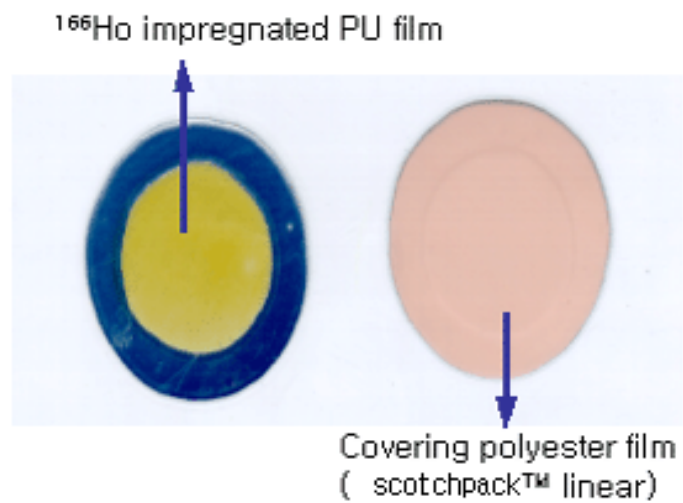


Figure 1: A typical ^{166}Ho -Patch for the treatment of superficial skin cancer is prepared by inserting the ^{166}Ho -film between two polyester film layers. (Image Source: Korea Atomic Energy Research Institute (KAERI)).